

AMENDMENTS TO THE CLAIMS

Claims 1-53 (Cancelled).

54. (New) A gas reforming method comprising:

gasifying combustibles in a gasification furnace to produce a gas, the gasification furnace including a gasification chamber for gasifying the combustibles to produce the gas, a char combustion chamber for combusting char produced in the gasification chamber, and a partition wall separating the gasification chamber from the char combustion chamber, the partition wall having a port for allowing a fluidized medium to be moved between the gasification chamber and the char combustion chamber;

reforming the gas produced in the gasification chamber using a catalyst so as to thereby produce a fuel gas;

moving the catalyst and the fluidized medium from the gasification chamber to the char combustion chamber through the port in the partition wall; and

recovering the catalytic activity of the catalyst in the char combustion chamber by combusting carbon deposited on the surface of the catalyst.

55. (New) The gas reforming method of claim 54, wherein at least a portion of the catalyst is discharged from the gasification chamber with the gas produced in the gasification chamber, further comprising:

recovering the at least a portion of the catalyst discharged from the gasification chamber using a dust collector; and

returning the recovered catalyst to the char combustion chamber.

56. (New) The gas reforming method of claim 54, wherein said reforming of the gas produced in the gasification chamber using the catalyst is performed in the gasification chamber.

57. (New) The gas reforming method of claim 54, wherein said reforming of the gas produced in the gasification chamber using the catalyst comprises decomposing tar and hydrocarbons contained in the gas into hydrogen and carbon monoxide.